

### **Amendments to the Specification**

Please replace the paragraph beginning at page 4, line 8, with the following rewritten paragraph:

--FIG. 3 shows a demodulator according to the present invention comprising bandpass filter 30 for recovering the first signal 36. The demodulator further comprises bandpass filter 32 for recovering the second signal 38. By means of example the first signal 36 represents an information signal comprising the information that needs to be demodulated whilst the second signal 38 represents a carrier signal. The passband of filter 32 is substantially narrower than ~~that~~ the passband of filter 30. In addition the passband of filter 32 is designed to optimally recover the carrier signal 38 ~~30~~. This means that the noise surrounding the carrier signal 38 ~~30~~ is largely filtered out whilst the carrier signal itself is not attenuated by any Nyquist slope. This results in an improved carrier to noise ratio.--